

CLAIMS

1. An elongate track for holding a measurement scale the track having a channel wherein the track is adapted for attracting magnetically the scale to the channel.
- 5 2. An elongate track as claimed in claim 1 having magnetic material for attracting the scale to the channel of the track magnetically.
3. An elongate track as claimed in claim 2 wherein the magnetic material is a
10 length of ferrite rubber.
4. An elongate track as claimed in claim 2 wherein the magnetic material is disposed in the channel.
- 15 5. An elongate track as claimed in claim 1 wherein the channel is adapted to hold the scale at scale edge portions only.
6. An elongate track as claimed in claim 1 wherein the track is formed from aluminium and is extruded.
- 20 7. An elongate track as claimed in claim 1 wherein the track is formed from magnetic ferrite rubber, the rubber having the channel formed therein.
8. A magnetic or magnetisable measurement scale for use with the elongate track
25 of claim 1.
9. Measurement apparatus comprising a measurement scale and an elongate track for holding the scale, the track having a channel wherein the track is adapted for attracting magnetically the scale to the channel.
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10. Measurement apparatus as claimed in claim 9 further comprising a scale tensioner for tensioning the scale on the track.

5 11. A measurement scale tensioning device wherein the device includes a preloadable member operable to urge a scale into tension.

10 12. A measurement scale tensioning device as claimed in claim 11 wherein the preloadable member includes a resilient part and the tensioner includes also a loading part for preloading the member and for releasing the preload.

13. A measurement scale tensioning device as claimed in claim 12 wherein the loading part includes an eccentric, rotatable to effect the preloading and release of the preload.

15 14. A method for tensioning a measurement scale comprising the steps of:
providing a measurement scale, and scale tensioner;
mounting the scale to a substrate;
securing one end of the scale to the substrate;
preloading the scale tensioner;
20 securing the tensioner to the substrate adjacent the other end of the scale;
releasing the preload in the tensioner to cause a tension in the scale;
securing the said other end of the scale to the substrate whilst maintaining the tension in the scale;
releasing the securement of the tensioner.

25 15. A method for tensioning a measurement scale as claimed in claim 14 further comprising the steps of:
preloading the scale tensioner again;
re-securing the tensioner to the substrate adjacent the said other end of the
30 scale;
releasing the preload in the tensioner;

releasing the securement of the scale at the said other end, thereby allowing further tension in the scale;

re-securing the said other end of the scale to the substrate whilst maintaining the further tension in the scale;

- 5 releasing the securement of the tensioner, and;
repeating the aforementioned steps of this claim until the scale extends substantially no more on application of the further tension.

16. A method according to claim 14 comprising the step of removing the tensioner
10 from the substrate following securement of the scale at the said other end.

17. A method according to claim 15 comprising the step of removing the tensioner from the substrate following re-securement of the scale at the said other end.

15 18. A method according to claim 14 wherein the step of securing the scale to the substrate includes the provision of a track for holding the scale to the substrate.

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